

Early-Entry Pathway

Welcome to North Dakota State University's Early-Entry Pathways program.

PRE-PHARMACY

If you are interested in a degree in pharmaceutical sciences, you will first need to complete the pre-pharmacy program requirements. Here is a list of early-entry courses to take to meet the pre-pharmacy requirements. These courses may be used to meet your general education requirements as well. We suggest you also review the list of recommended general education courses.

College Composition I

ENGL 110 | 3 credits
General Education Category: C

Guided practice in the reading and writing of various genres for different situations and audiences. Includes research on the web and in the library. Prereq: English placement.

College Composition II

ENGL 120 | 3 credits
General Education Category: C

Advanced practice in reading and writing of various genres for different situations and audiences. Includes field research, collaboration, and visual communication. Prereq: ENGL 110 or placement.

Fundamentals of Public Speaking

COMM 110 | 3 credits
General Education Category: C

Theory and practice of public speaking with emphasis on content, organization, language, delivery, and critical evaluation of messages.

Principles of Microeconomics

ECON 201 | 3 credits
General Education Category: B

Nature, method, and scope of economic analysis; economic scarcity, resources, specialization of labor; supply-demand analysis; production and cost analysis; product and resource market structures; distribution of income; international trade.

Introductory Statistics

STATS 330 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

Frequency tables, histograms, probability, well-known probability distributions, one and two sample tests of hypotheses, confidence intervals, and contingency tables. Prereq: Algebra 2, MATH 103, MATH 104, MATH 107 OR placement into MATH 105, MATH 146, MATH 165.

General Chemistry I

CHEM 121 | 3 credits
General Education Category: S

General Chemistry I Lab

CHEM 121L | 1 credit
General Education Category: S

Matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, and gases. Prereq or Co-req: MATH 103, MATH 107 or Math placement.

General Chemistry II

CHEM 122 | 3 credits
General Education Category: S

Intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Prereq: CHEM 121.

Human Anatomy & Physiology I

BIOL 220 | 3 credits
General Education Category: S

An in-depth introduction to structure and function of human organ systems' cells, tissues, the integumentary system, the skeletal system, joints, muscle and muscular system, nervous tissue and nervous system, and the special senses.

Human Anatomy & Physiology II

BIOL 221 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

A continuation of BIOL 220, 220L; the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems and development. Prereq: BIOL 220.

View all pathway guides & a general education guide at >>
bit.ly/EE_pathways_guides.